

Refine Search

Search Results -

| Terms | Documents |
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| L11 | 398 |

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L14 L11 398 L14

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L13 L11 and (salmine) 2 L13

L12 6624141.pn. 1 L12

L11 L10 and (purified protamine) 398 L11

L10 L9 and l8 1132 L10

L9 L7 and composition 319684 L9

L8 Yang.in. 9812 L8

L7 L6 and (low toxicity) 890473 L7

L6 L5 and (no toxicity) 1039559 L6

L5 L4 and (reduced immunoresponsiveness) 1116711 L5

L4 L3 (low molecular weight heparin) 2250321 L4

L3 L2 and (inactivate heparin) 1355 L3

L2 L1 and (neutralize heparin) 1355 L2

L1 protamine and heparin 1355 L1

END OF SEARCH HISTORY

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| L11 and (salmine) | 2 |

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|------------|---------------------------------------|---------|------------|
| <u>L13</u> | L11 and (salmine) | 2 | <u>L13</u> |
| <u>L12</u> | 6624141.pn. | 1 | <u>L12</u> |
| <u>L11</u> | L10 and (purified protamine) | 398 | <u>L11</u> |
| <u>L10</u> | L9 and l8 | 1132 | <u>L10</u> |
| <u>L9</u> | L7 and composition | 319684 | <u>L9</u> |
| <u>L8</u> | Yang.in. | 9812 | <u>L8</u> |
| <u>L7</u> | L6 and (low toxicity) | 890473 | <u>L7</u> |
| <u>L6</u> | L5 and (no toxicity) | 1039559 | <u>L6</u> |
| <u>L5</u> | L4 and (reduced immunoresponsiveness) | 1116711 | <u>L5</u> |
| <u>L4</u> | L3 (low molecular weight heparin) | 2250321 | <u>L4</u> |
| <u>L3</u> | L2 and (inactivate heparin) | 1355 | <u>L3</u> |
| <u>L2</u> | L1 and (neutralize heparin) | 1355 | <u>L2</u> |
| <u>L1</u> | protamine and heparin | 1355 | <u>L1</u> |

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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6624141 B1

L13: Entry 1 of 2

File: USPT

Sep 23, 2003

US-PAT-NO: 6624141

DOCUMENT-IDENTIFIER: US 6624141 B1

**** See image for Certificate of Correction ****

TITLE: Protamine fragment compositions and methods of use

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|----------------------|-------|----------|---------|
| <u>Yang</u> ; Victor C. | Ann Arbor | MI | | |
| Byun; Youngro | Kwangsang-Ku Kwangju | | | KR |

US-CL-CURRENT: 514/2; 530/350

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | NMCI | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|

☐ 2. Document ID: US 5607567 A

L13: Entry 2 of 2

File: USPT

Mar 4, 1997

US-PAT-NO: 5607567

DOCUMENT-IDENTIFIER: US 5607567 A

TITLE: Protamine-responsive polymeric membrane electrode

DATE-ISSUED: March 4, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|-----------|-------|----------|---------|
| Yun; Jong H. | Taegu | | | KR |
| Meyerhoff; Mark E. | Ann Arbor | MI | | |
| <u>Yang</u> ; Victor C. | Ann Arbor | MI | | |

US-CL-CURRENT: 205/777.5; 204/403.08, 204/403.1, 204/403.14, 204/415, 204/416, 204/418, 205/778, 205/789.5, 205/792.5, 422/82.03, 435/24, 435/287.1, 435/817

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | NMCI | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|

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| Terms | Documents |
| L11 and (salmine) | 2 |

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visualization results
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 9 MAR 22 EMBASE is now updated on a daily basis
NEWS 10 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 11 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
thesaurus added in PCTFULL
NEWS 12 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 13 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 14 APR 12 Improved structure highlighting in FQHIT and QHIT display
in MARPAT
NEWS 15 APR 12 Derwent World Patents Index to be reloaded and enhanced during
second quarter; strategies may be affected
NEWS 16 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 17 MAY 11 KOREAPAT updates resume
NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 19 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and
USPATFULL/USPAT2
NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 21 JUN 02 The first reclassification of IPC codes now complete in
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AND CURRENT DISCOVER FILE IS DATED 23 MAY 2006.
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=> s protamine

L1 29908 PROTAMINE

=> s l1 and purified

L2 6953 L1 AND PURIFIED

=> s l2 and bioactive

L3 645 L2 AND BIOACTIVE

=> s l3 and (not native)

MISSING TERM 'AND (NOT'

The search profile entered contains a left parenthesis,

'(' followed by an operator.

=> s l3 and heparin

L4 423 L3 AND HEPARIN

=> s low molecular weight heparin

L5 28407 LOW MOLECULAR WEIGHT HEPARIN

=> '

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=> s l5 and l4

L6 58 L5 AND L4

=> d his

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L1 29908 S PROTAMINE

L2 6953 S L1 AND PURIFIED

L3 645 S L2 AND BIOACTIVE

L4 423 S L3 AND HEPARIN

L5 28407 S LOW MOLECULAR WEIGHT HEPARIN

L6 58 S L5 AND L4

=> s l6 and (low toxicity)

L7 6 L6 AND (LOW TOXICITY)

=> d l7 ti abs ibib tot

L7 ANSWER 1 OF 6 USPATFULL on STN

TI Hinge core mimetibodies, compositions, methods and uses

AB The present invention relates to at least one novel human hinge core
mimetibody or specified portion or variant, including isolated nucleic
acids that encode at least one hinge core mimetibody or specified
portion or variant, hinge core mimetibody or specified portion or
variants, vectors, host cells, transgenic animals or plants, and methods
of making and using thereof, including therapeutic compositions, methods
and devices.

ACCESSION NUMBER: 2006:150969 USPATFULL

TITLE: Hinge core mimetibodies, compositions, methods and uses

INVENTOR(S): Huang, ChiChi, Berwyn, PA, UNITED STATES

Heavner, George A., Malvern, PA, UNITED STATES

Knight, David M., Berwyn, PA, UNITED STATES

Ghrayeb, John, Downingtown, PA, UNITED STATES

Scallion, Bernard J., Wayne, PA, UNITED STATES

Nesspor, Thomas C., Collegeville, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006127404 | A1 | 20060615 |
| APPLICATION INFO.: | US 2004-953613 | A1 | 20040929 (10) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2003-507231P | 20030930 (60) |

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: PHILIP S. JOHNSON, JOHNSON & JOHNSON, ONE JOHNSON &
JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003, US

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 172 Drawing Page(s)

LINE COUNT: 10748

L7 ANSWER 2 OF 6 USPATFULL on STN

TI Methods and products related to the intracellular delivery of
polysaccharides

AB The invention relates, in part, to methods and compositions for the

intracellular delivery of polysaccharides. In particular, the methods and compositions relate to the intracellular delivery of glycosaminoglycans, such as **heparin**. The invention in other aspects relates to the use of glycosaminoglycans for the treatment of proliferative disorders, such as cancer. The invention is still other aspects relates to improving cell viability. The invention also relates to the delivery of polysaccharides while avoiding unwanted effects of the polysaccharides. For example, **heparin** can be delivered while avoiding its anticoagulant effects.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:98545 USPATFULL
TITLE: Methods and products related to the intracellular delivery of polysaccharides
INVENTOR(S): Berry, David A., Brookline, MA, UNITED STATES
Anderson, Daniel G., Framingham, MA, UNITED STATES
Lynn, David M., Madison, WI, UNITED STATES
Sasisekharan, Ram, Bedford, MA, UNITED STATES
Langer, Robert S., Newton, MA, UNITED STATES
PATENT ASSIGNEE(S): Massachusetts Institute of Technology, Cambridge, MA, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006083711 | A1 | 20060420 |
| APPLICATION INFO.: | US 2005-107360 | A1 | 20050415 (11) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2004-562873P | 20040415 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOLF GREENFIELD & SACKS, PC, FEDERAL RESERVE PLAZA, 600 ATLANTIC AVENUE, BOSTON, MA, 02210-2211, US | |
| NUMBER OF CLAIMS: | 30 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 39 Drawing Page(s) | |
| LINE COUNT: | 4084 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 6 USPATFULL on STN

TI **Protamine** fragment compositions and methods of use
AB Provided are **bioactive, low-toxicity protamine** fragments, compositions, combinations, kits and methods of using these components in a variety of embodiments, including neutralizing **heparin** and reducing post-operative bleeding. Improved **protamine** fragment-insulin solutions and methods for treating diabetes are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:118259 USPATFULL
TITLE: **Protamine** fragment compositions and methods of use
INVENTOR(S): Yang, Victor C., Ann Arbor, MI, UNITED STATES
Byun, Youngro, Kwangsan-Ku Kwangju, KOREA, REPUBLIC OF

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2005101532 | A1 | 20050512 |
| APPLICATION INFO.: | US 2003-668663 | A1 | 20030923 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2000-700967, filed on 16 Nov 2000, GRANTED, Pat. No. US 6624141 A 371 of International Ser. No. WO 2000-US6876, filed on 15 Mar | | |

2000

| | NUMBER | DATE |
|--|--|---------------|
| PRIORITY INFORMATION: | US 1999-124873P | 19990317 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WILLIAMS, MORGAN & AMERSON, P.C., 10333 RICHMOND, SUITE 1100, HOUSTON, TX, 77042, US | |
| NUMBER OF CLAIMS: | 19 | |
| EXEMPLARY CLAIM: | 1-47 | |
| NUMBER OF DRAWINGS: | 4 Drawing Page(s) | |
| LINE COUNT: | 2727 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L7 ANSWER 4 OF 6 USPATFULL on STN

TI Engineered anti-target immunoglobulin derived proteins, compositions, methods and uses

AB The present invention relates to anti-target immunoglobulin derived proteins, including isolated nucleic acids that encode at least one anti-target Ig derived protein, target, vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including therapeutic compositions, methods and devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:38349 USPATFULL

TITLE: Engineered anti-target immunoglobulin derived proteins, compositions, methods and uses

INVENTOR(S): Lu, Jin, Boothwyn, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005033029 | A1 | 20050210 |
| APPLICATION INFO.: | US 2004-872932 | A1 | 20040621 (10) |

| | NUMBER | DATE |
|--|--|---------------|
| PRIORITY INFORMATION: | US 2003-483654P | 20030630 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | PHILIP S. JOHNSON, JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003 | |
| NUMBER OF CLAIMS: | 33 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 176 Drawing Page(s) | |
| LINE COUNT: | 6132 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L7 ANSWER 5 OF 6 USPATFULL on STN

TI Combination therapy for the treatment of diseases involving inflammatory components

AB Compositions and methods for treating diseases that are associated with inflammation are provided. Such diseases include arthritis (particularly rheumatoid arthritis) and other autoimmune disorders, asthma, cardiovascular and cerebrovascular disease, burns, psoriasis, reperfusion injury, and traumatic CNS and spinal cord injury. The compositions generally comprise at least one C5a antagonist and at least one C5a receptor-inactive therapeutic agent. The methods involve co-administration of at least one C5a antagonist and at least one C5a receptor-inactive therapeutic agent to a patient. The C5a antagonist and C5a receptor-inactive therapeutic agent may be present within the same composition, or may be administered separately to the patient.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:19478 USPATFULL
TITLE: Combination therapy for the treatment of diseases
involving inflammatory components
INVENTOR(S): Krause, James E., Madison, CT, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2004014782 | A1 | 20040122 |
| APPLICATION INFO.: | US 2003-401113 | A1 | 20030327 (10) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2002-368925P | 20020329 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Leslie-Anne Horvath, Neurogen Corporation, Patent Department, 35 NE Industrial Road, Branford, CT, 06405 | |
| NUMBER OF CLAIMS: | 35 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 9573 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 6 USPATFULL on STN

TI **Protamine** fragment compositions and methods of use
AB Provided are **bioactive, low-toxicity**
protamine fragments, compositions, combinations, kits and
methods of using these components in a variety of embodiments, including
neutralizing **heparin** and reducing post-operative bleeding.
Improved **protamine** fragment-insulin solutions and methods for
treating diabetes are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:253624 USPATFULL
TITLE: **Protamine** fragment compositions and methods
of use
INVENTOR(S): Yang, Victor C., Ann Arbor, MI, United States
Byun, Youngro, Kwangsan-Ku Kwangju, KOREA, REPUBLIC OF
PATENT ASSIGNEE(S): The Regents of The University of Michigan, Ann Arbor,
MI, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6624141 | B1 | 20030923 |
| | WO 2000055196 | | 20000921 |
| APPLICATION INFO.: | US 2000-700967 | | 20001116 (9) |
| | WO 1999-US6876 | | 19990309 |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1999-124873P | 19990317 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Low, Christopher S. F. | |
| ASSISTANT EXAMINER: | Robinson, Hope A. | |
| LEGAL REPRESENTATIVE: | Williams, Morgan and Amerson | |
| NUMBER OF CLAIMS: | 89 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 4 Drawing Page(s) | |
| LINE COUNT: | 2952 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L1 29908 S PROTAMINE
L2 6953 S L1 AND PURIFIED
L3 645 S L2 AND BIOACTIVE
L4 423 S L3 AND HEPARIN
L5 28407 S LOW MOLECULAR WEIGHT HEPARIN
L6 58 S L5 AND L4
L7 6 S L6 AND (LOW TOXICITY)

=> s l6 and (immunoresponsiveness)

L8 22 L6 AND (IMMUNORESPONSIVENESS)

=> s heparin and (inactivation)

L9 8949 HEPARIN AND (INACTIVATION)

=> s l9 and (protamine)

L10 895 L9 AND (PROTAMINE)

=> s l8 and l10

L11 21 L8 AND L10

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RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN

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FPG ----- FP plus PAGE.DRAW

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 HITSTR ----- HIT RN, its text modification, its CA index name, and
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 IALL ----- ALL, indented with text labels
 IALLG ----- IALL plus PAGE.DRAW
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 IBIB.EX ----- IBIB for original and latest publication
 IBIBG ----- IBIB plus PAGE.DRAW
 IMAX ----- MAX, indented with text labels
 IMAX.EX ----- IMAX for original and latest publication
 IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR,
 EXF, ARTU, OS, CC, SX, ST, IT
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 ISTD ----- STD, indented with text labels
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 RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
 DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
 INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2,
 IPCR, EXF, ARTU OS, CC, SX, ST, IT
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 DT, FS, LN.CNT
 STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
 DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
 IC, IPCI, IPCI-2, IPCR, EXF (STD is the default)
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 TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
 IPCI, IPCI-2, IPCR

 SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR(random display
 without answer number. SCAN must be entered on the
 same line as DISPLAY, e.g., D SCAN)
 ENTER DISPLAY FORMAT (STD):end

=> d his

(FILE 'HOME' ENTERED AT 14:35:20 ON 20 JUN 2006)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, JICST-EPLUS,
 BIOSIS, BIOTECHDS, SCISEARCH' ENTERED AT 14:35:44 ON 20 JUN 2006

L1 29908 S PROTAMINE
 L2 6953 S L1 AND PURIFIED
 L3 645 S L2 AND BIOACTIVE
 L4 423 S L3 AND HEPARIN
 L5 28407 S LOW MOLECULAR WEIGHT HEPARIN
 L6 58 S L5 AND L4
 L7 6 S L6 AND (LOW TOXICITY)
 L8 22 S L6 AND (IMMUNORESPONSIVENESS)
 L9 8949 S HEPARIN AND (INACTIVATION)
 L10 895 S L9 AND (PROTAMINE)
 L11 21 S L8 AND L10

=> d l11 ti abs ibib tot

L11 ANSWER 1 OF 21 USPATFULL on STN
 TI Albumin fusion proteins
 AB The present invention encompasses albumin fusion proteins. Nucleic acid
 molecules encoding the albumin fusion proteins of the invention are also

encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:99621 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES
PATENT ASSIGNEE(S): Human Genome Sciences, Inc. (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2006084794 | A1 | 20060420 |
| APPLICATION INFO.: | US 2005-264096 | A1 | 20051102 (11) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-833245, filed on 12 Apr 2001, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US | | |
| NUMBER OF CLAIMS: | 19 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 20 Drawing Page(s) | | |
| LINE COUNT: | 24280 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 2 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:305894 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Ballance, David J., Berwyn, PA, UNITED STATES
Sleep, Darrell, West Bridgford, UNITED KINGDOM
Prior, Christopher P., Rosemont, PA, UNITED STATES
Sadeghi, Homayoun, Doylestown, PA, UNITED STATES
Turner, Andrew J., Eagleville, PA, UNITED STATES
PATENT ASSIGNEE(S): Human Genome Sciences, Inc. (U.S. corporation)
Delta Biotechnology Limited (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2005266533 | A1 | 20051201 |
| APPLICATION INFO.: | US 2005-78914 | A1 | 20050314 (11) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2001-832501, filed on 12 Apr 2001, ABANDONED | | |

| | NUMBER | DATE |
|--|---|---------------|
| | ----- | ----- |
| PRIORITY INFORMATION: | US 2000-256931P | 20001221 (60) |
| | US 2000-199384P | 20000425 (60) |
| | US 2000-229358P | 20000412 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US | |
| NUMBER OF CLAIMS: | 21 | |
| EXEMPLARY CLAIM: | 1-60 | |
| NUMBER OF DRAWINGS: | 20 Drawing Page(s) | |
| LINE COUNT: | 13941 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L11 ANSWER 3 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| | |
|---------------------|--|
| ACCESSION NUMBER: | 2005:305893 USPATFULL |
| TITLE: | Albumin fusion proteins |
| INVENTOR(S): | Rosen, Craig A., Laytonsville, MD, UNITED STATES Sadeghi, Homayoun, Doylestown, PA, UNITED STATES Prior, Christopher P., Rosemont, PA, UNITED STATES Turner, Andrew J., Eagleville, PA, UNITED STATES |
| PATENT ASSIGNEE(S): | Human Genome Sciences, Inc. (U.S. corporation) Principia Pharmaceutical Corporation (U.S. corporation) |

| | NUMBER | KIND | DATE |
|-----------------------|---|-------|---------------|
| | ----- | ----- | ----- |
| PATENT INFORMATION: | US 2005266532 | A1 | 20051201 |
| APPLICATION INFO.: | US 2005-78663 | A1 | 20050314 (11) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2001-833117, filed on 12 Apr 2001, ABANDONED | | |

| | NUMBER | DATE |
|--|---|---------------|
| | ----- | ----- |
| PRIORITY INFORMATION: | US 2000-229358P | 20000412 (60) |
| | US 2000-199384P | 20000425 (60) |
| | US 2000-256931P | 20001221 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US | |
| NUMBER OF CLAIMS: | 21 | |
| EXEMPLARY CLAIM: | 1-59 | |
| NUMBER OF DRAWINGS: | 20 Drawing Page(s) | |
| LINE COUNT: | 12894 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L11 ANSWER 4 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid

molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:280980 USPATFULL
 TITLE: Albumin fusion proteins
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Haseltine, William A., Washington, DC, UNITED STATES
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc. (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2005244931 | A1 | 20051103 |
| APPLICATION INFO.: | US 2004-967457 | A1 | 20041019 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-833041, filed on 12 Apr 2001, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US | | |
| NUMBER OF CLAIMS: | 23 | | |
| EXEMPLARY CLAIM: | 1-33 | | |
| NUMBER OF DRAWINGS: | 20 Drawing Page(s) | | |
| LINE COUNT: | 16289 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 5 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:236070 USPATFULL
 TITLE: Albumin fusion proteins
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Haseltine, William A., Washington, DC, UNITED STATES
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6946134 | B1 | 20050920 |
| APPLICATION INFO.: | US 2001-833111 | | 20010412 (9) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2000-256931P | 20001221 (60) |
| | US 2000-199384P | 20000425 (60) |

US 2000-229358P 20000412 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Carlson, Karen Cochrane
ASSISTANT EXAMINER: Robinson, Hope A.
LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.
NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 21 Drawing Figure(s); 20 Drawing Page(s)
LINE COUNT: 23429
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 6 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:214989 USPATFULL

TITLE: Albumin fusion proteins

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES
Ballance, David J., Berwyn, PA, UNITED STATES
Turner, Andrew J., Eagleville, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2005186664 | A1 | 20050825 |
| APPLICATION INFO.: | US 2004-775204 | A1 | 20040211 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. WO 2002-US40891, filed on 23 Dec 2002, PENDING | | |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2001-341811P | 20011221 (60) |
| | US 2002-350358P | 20020124 (60) |
| | US 2002-351360P | 20020128 (60) |
| | US 2002-359370P | 20020226 (60) |
| | US 2002-360000P | 20020228 (60) |
| | US 2002-367500P | 20020327 (60) |
| | US 2002-370227P | 20020408 (60) |
| | US 2002-378950P | 20020510 (60) |
| | US 2002-382617P | 20020524 (60) |
| | US 2002-383123P | 20020528 (60) |
| | US 2002-385708P | 20020605 (60) |
| | US 2002-394625P | 20020710 (60) |
| | US 2002-398008P | 20020724 (60) |
| | US 2002-402131P | 20020809 (60) |
| | US 2002-402708P | 20020813 (60) |
| | US 2002-411355P | 20020918 (60) |
| | US 2002-411426P | 20020918 (60) |
| | US 2002-414984P | 20021002 (60) |
| | US 2002-417611P | 20021011 (60) |
| | US 2002-420246P | 20021023 (60) |
| | US 2002-423623P | 20021105 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, INTELLECTUAL PROPERTY DEPT.,
14200 SHADY GROVE ROAD, ROCKVILLE, MD, 20850, US
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 23 Drawing Page(s)
LINE COUNT: 25129
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 7 OF 21 USPATFULL on STN

TI **Protamine** fragment compositions and methods of use
AB Provided are **bioactive**, low-toxicity **protamine** fragments, compositions, combinations, kits and methods of using these components in a variety of embodiments, including neutralizing **heparin** and reducing post-operative bleeding. Improved **protamine** fragment-insulin solutions and methods for treating diabetes are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:118259 USPATFULL
TITLE: **Protamine** fragment compositions and methods of use
INVENTOR(S): Yang, Victor C., Ann Arbor, MI, UNITED STATES
Byun, Youngro, Kwangsan-Ku Kwangju, KOREA, REPUBLIC OF

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2005101532 | A1 | 20050512 |
| APPLICATION INFO.: | US 2003-668663 | A1 | 20030923 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2000-700967, filed on 16 Nov 2000, GRANTED, Pat. No. US 6624141 A 371 of International Ser. No. WO 2000-US6876, filed on 15 Mar 2000 | | |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1999-124873P | 19990317 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WILLIAMS, MORGAN & AMERSON, P.C., 10333 RICHMOND, SUITE 1100, HOUSTON, TX, 77042, US | |
| NUMBER OF CLAIMS: | 19 | |
| EXEMPLARY CLAIM: | 1-47 | |
| NUMBER OF DRAWINGS: | 4 Drawing Page(s) | |
| LINE COUNT: | 2727 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 8 OF 21 USPATFULL on STN

TI Albumin fusion proteins
AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:117724 USPATFULL

TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES
PATENT ASSIGNEE(S): Human Genome Sciences, Inc. (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|---|------|---------------|
| PATENT INFORMATION: | US 2005100991 | A1 | 20050512 |
| APPLICATION INFO.: | US 2004-932104 | A1 | 20040902 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-833118, filed on 12 Apr 2001, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US | | |
| NUMBER OF CLAIMS: | 33 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 20 Drawing Page(s) | | |
| LINE COUNT: | 15444 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

L11 ANSWER 9 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating or preventing diseases, disorders or conditions related to diabetes mellitus using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:63530 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2005054570 | A1 | 20050310 |
| APPLICATION INFO.: | US 2004-775180 | A1 | 20040211 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. WO 2002-US40892, filed on 23 Dec 2002, PENDING | | |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2001-341811P | 20011221 (60) |
| | US 2002-360000P | 20020228 (60) |
| | US 2002-378950P | 20020510 (60) |
| | US 2002-398008P | 20020724 (60) |
| | US 2002-411355P | 20020918 (60) |
| | US 2002-414984P | 20021002 (60) |
| | US 2002-417611P | 20021011 (60) |
| | US 2002-420246P | 20021023 (60) |
| | US 2002-423623P | 20021105 (60) |
| | US 2002-350358P | 20020124 (60) |
| | US 2002-359370P | 20020226 (60) |
| | US 2002-367500P | 20020327 (60) |
| | US 2002-402131P | 20020809 (60) |
| | US 2002-402708P | 20020813 (60) |

US 2002-370227P 20020408 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, INTELLECTUAL PROPERTY DEPT.,
14200 SHADY GROVE ROAD, ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Page(s)
LINE COUNT: 20949
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 10 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:63014 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES
PATENT ASSIGNEE(S): Human Genome Sciences, Inc. (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2005054051 | A1 | 20050310 |
| APPLICATION INFO.: | US 2004-922142 | A1 | 20040820 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-832929, filed on 12 Apr 2001, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 1300 I STREET, NW, WASHINGTON, DC, 20005 | | |
| NUMBER OF CLAIMS: | 33 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 20 Drawing Page(s) | | |
| LINE COUNT: | 17526 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 11 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:43296 USPATFULL
TITLE: Albumin fusion proteins

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2005037022 | A1 | 20050217 |
| APPLICATION INFO.: | US 2004-816042 | A1 | 20040402 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. WO 2002-US31794, filed on 4 Oct 2002, PENDING | | |

| | NUMBER | DATE |
|--|---|---------------|
| PRIORITY INFORMATION: | US 2001-327281P | 20011005 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | HUMAN GENOME SCIENCES INC, INTELLECTUAL PROPERTY DEPT., 14200 SHADY GROVE ROAD, ROCKVILLE, MD, 20850 | |
| NUMBER OF CLAIMS: | 29 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 18 Drawing Page(s) | |
| LINE COUNT: | 17090 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L11 ANSWER 12 OF 21 USPATFULL on STN

TI ALBUMIN FUSION PROTEINS

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:221354 USPATFULL
TITLE: ALBUMIN FUSION PROTEINS
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES

| | NUMBER | KIND | DATE |
|--|--|------|--------------|
| PATENT INFORMATION: | US 2004171123 | A1 | 20040902 |
| | US 6926898 | B2 | 20050809 |
| APPLICATION INFO.: | US 2001-832929 | A1 | 20010412 (9) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 1300 I STREET, NW, WASHINGTON, DC, 20005 | | |
| NUMBER OF CLAIMS: | 29 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 18 Drawing Page(s) | | |
| LINE COUNT: | 17424 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

L11 ANSWER 13 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and

methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:13611 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2004010134 | A1 | 20040115 |
| APPLICATION INFO.: | US 2001-833245 | A1 | 20010412 (9) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2000-256931P | 20001221 (60) |
| | US 2000-199384P | 20000425 (60) |
| | US 2000-229358P | 20000412 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 25066

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 14 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:312278 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2003219875 | A1 | 20031127 |
| | US 6905688 | B2 | 20050614 |
| APPLICATION INFO.: | US 2001-833118 | A1 | 20010412 (9) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2000-256931P | 20001221 (60) |
| | US 2000-199384P | 20000425 (60) |
| | US 2000-229358P | 20000412 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 15415
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 15 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:282700 USPATFULL

TITLE: Albumin fusion proteins

INVENTOR(S): Ballance, David J., Berwyn, PA, UNITED STATES
Sleep, Darrell, West Bridgford, UNITED KINGDOM
Prior, Christopher P., Rosemont, PA, UNITED STATES
Sadeghi, Homayoun, Doylestown, PA, UNITED STATES
Turner, Andrew J., Eagleville, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2003199043 | A1 | 20031023 |
| APPLICATION INFO.: | US 2001-832501 | A1 | 20010412 (9) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2000-256931P | 20001221 (60) |
| | US 2000-199384P | 20000425 (60) |
| | US 2000-229358P | 20000412 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 60
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 14339
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 16 OF 21 USPATFULL on STN

TI **Protamine** fragment compositions and methods of use

AB Provided are **bioactive**, low-toxicity **protamine** fragments, compositions, combinations, kits and methods of using these components in a variety of embodiments, including neutralizing **heparin** and reducing post-operative bleeding. Improved **protamine** fragment-insulin solutions and methods for treating diabetes are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:253624 USPATFULL

TITLE: **Protamine** fragment compositions and methods
of use
INVENTOR(S): Yang, Victor C., Ann Arbor, MI, United States
Byun, Youngro, Kwangsan-Ku Kwangju, KOREA, REPUBLIC OF
PATENT ASSIGNEE(S): The Regents of The University of Michigan, Ann Arbor,
MI, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6624141 | B1 | 20030923 |
| | WO 2000055196 | | 20000921 |
| APPLICATION INFO.: | US 2000-700967 | | 20001116 (9) |
| | WO 1999-US6876 | | 19990309 |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1999-124873P | 19990317 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Low, Christopher S. F. | |
| ASSISTANT EXAMINER: | Robinson, Hope A. | |
| LEGAL REPRESENTATIVE: | Williams, Morgan and Amerson | |
| NUMBER OF CLAIMS: | 89 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 4 Drawing Page(s) | |
| LINE COUNT: | 2952 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 17 OF 21 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:244853 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Sadeghi, Homayoun, Doylestown, PA, UNITED STATES
Prior, Christopher P., Rosemont, PA, UNITED STATES
Turner, Andrew J., Eagleville, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2003171267 | A1 | 20030911 |
| APPLICATION INFO.: | US 2001-833117 | A1 | 20010412 (9) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2000-256931P | 20001221 (60) |
| | US 2000-199384P | 20000425 (60) |
| | US 2000-229358P | 20000412 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850 | |

NUMBER OF CLAIMS: 59
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 20 Drawing Page(s)
LINE COUNT: 13208
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 18 OF 21 USPATFULL on STN
TI Chemokine beta-1 fusion proteins
AB The present invention relates to novel chemokine polypeptides and encoding nucleic acids. More specifically, therapeutic compositions and methods are provided using isolated nucleic acid molecules encoding a human chemokine beta-1 (Ck β -1 or Ckb1) polypeptide (previously termed monocyte-colony inhibitory factor (M-CIF), MIP1- γ , and Hemofiltrate CC chemokine-1 (HCC-1)), and Ckb1 polypeptides themselves, as are vectors, host cells and recombinant methods for producing the same. Also provided are methods of treating, preventing, ameliorating diseases using such compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:206834 USPATFULL
TITLE: Chemokine beta-1 fusion proteins
INVENTOR(S): Bell, Adam, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2003143191 | A1 | 20030731 |
| APPLICATION INFO.: | US 2002-153604 | A1 | 20020524 (10) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2001-293212P | 20010525 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850 | |
| NUMBER OF CLAIMS: | 17 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 21 Drawing Page(s) | |
| LINE COUNT: | 15446 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 19 OF 21 USPATFULL on STN
TI Albumin fusion proteins
AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:181414 USPATFULL
TITLE: Albumin fusion proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2003125247 A1 20030703
 US 6994857 B2 20060207
 APPLICATION INFO.: US 2001-833041 A1 20010412 (9)

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2000-256931P | 20001221 (60) |
| | US 2000-199384P | 20000425 (60) |
| | US 2000-229358P | 20000412 (60) |

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
 ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 29
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 20 Drawing Page(s)
 LINE COUNT: 15235

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 20 OF 21 USPATFULL on STN

TI Nucleic acids, proteins, and antibodies
 AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:99522 USPATFULL
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2003068627 | A1 | 20030410 |
| APPLICATION INFO.: | US 2002-91458 | A1 | 20020307 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2001-764900, filed on 17 Jan 2001, ABANDONED | | |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2000-179065P | 20000131 (60) |
| | US 2000-180628P | 20000204 (60) |
| | US 2000-214886P | 20000628 (60) |
| | US 2000-217487P | 20000711 (60) |
| | US 2000-225758P | 20000814 (60) |
| | US 2000-220963P | 20000726 (60) |
| | US 2000-217496P | 20000711 (60) |
| | US 2000-225447P | 20000814 (60) |
| | US 2000-218290P | 20000714 (60) |
| | US 2000-225757P | 20000814 (60) |

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|-----------------|---------------|
| US 2000-226868P | 20000822 (60) |
| US 2000-216647P | 20000707 (60) |
| US 2000-225267P | 20000814 (60) |
| US 2000-216880P | 20000707 (60) |
| US 2000-225270P | 20000814 (60) |
| US 2000-251869P | 20001208 (60) |
| US 2000-235834P | 20000927 (60) |
| US 2000-234274P | 20000921 (60) |
| US 2000-234223P | 20000921 (60) |
| US 2000-228924P | 20000830 (60) |
| US 2000-224518P | 20000814 (60) |
| US 2000-236369P | 20000929 (60) |
| US 2000-224519P | 20000814 (60) |
| US 2000-220964P | 20000726 (60) |
| US 2000-241809P | 20001020 (60) |
| US 2000-249299P | 20001117 (60) |
| US 2000-236327P | 20000929 (60) |
| US 2000-241785P | 20001020 (60) |
| US 2000-244617P | 20001101 (60) |
| US 2000-225268P | 20000814 (60) |
| US 2000-236368P | 20000929 (60) |
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| US 2000-251868P | 20001208 (60) |
| US 2000-229344P | 20000901 (60) |
| US 2000-234997P | 20000925 (60) |
| US 2000-229343P | 20000901 (60) |
| US 2000-229345P | 20000901 (60) |
| US 2000-229287P | 20000901 (60) |
| US 2000-229513P | 20000905 (60) |
| US 2000-231413P | 20000908 (60) |
| US 2000-229509P | 20000905 (60) |
| US 2000-236367P | 20000929 (60) |
| US 2000-237039P | 20001002 (60) |
| US 2000-237038P | 20001002 (60) |
| US 2000-236370P | 20000929 (60) |
| US 2000-236802P | 20001002 (60) |
| US 2000-237037P | 20001002 (60) |
| US 2000-237040P | 20001002 (60) |
| US 2000-240960P | 20001020 (60) |
| US 2000-239935P | 20001013 (60) |
| US 2000-239937P | 20001013 (60) |
| US 2000-241787P | 20001020 (60) |
| US 2000-246474P | 20001108 (60) |
| US 2000-246532P | 20001108 (60) |
| US 2000-249216P | 20001117 (60) |
| US 2000-249210P | 20001117 (60) |
| US 2000-226681P | 20000822 (60) |
| US 2000-225759P | 20000814 (60) |
| US 2000-225213P | 20000814 (60) |
| US 2000-227182P | 20000822 (60) |
| US 2000-225214P | 20000814 (60) |
| US 2000-235836P | 20000927 (60) |
| US 2000-230438P | 20000906 (60) |
| US 2000-215135P | 20000630 (60) |
| US 2000-225266P | 20000814 (60) |
| US 2000-249218P | 20001117 (60) |
| US 2000-249208P | 20001117 (60) |
| US 2000-249213P | 20001117 (60) |
| US 2000-249212P | 20001117 (60) |
| US 2000-249207P | 20001117 (60) |
| US 2000-249245P | 20001117 (60) |
| US 2000-249244P | 20001117 (60) |
| US 2000-249217P | 20001117 (60) |

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| US 2000-249211P | 20001117 (60) |
| US 2000-249215P | 20001117 (60) |
| US 2000-249264P | 20001117 (60) |
| US 2000-249214P | 20001117 (60) |
| US 2000-249297P | 20001117 (60) |
| US 2000-232400P | 20000914 (60) |
| US 2000-231242P | 20000908 (60) |
| US 2000-232081P | 20000908 (60) |
| US 2000-232080P | 20000908 (60) |
| US 2000-231414P | 20000908 (60) |
| US 2000-231244P | 20000908 (60) |
| US 2000-233064P | 20000914 (60) |
| US 2000-233063P | 20000914 (60) |
| US 2000-232397P | 20000914 (60) |
| US 2000-232399P | 20000914 (60) |
| US 2000-232401P | 20000914 (60) |
| US 2000-241808P | 20001020 (60) |
| US 2000-241826P | 20001020 (60) |
| US 2000-241786P | 20001020 (60) |
| US 2000-241221P | 20001020 (60) |
| US 2000-246475P | 20001108 (60) |
| US 2000-231243P | 20000908 (60) |
| US 2000-233065P | 20000914 (60) |
| US 2000-232398P | 20000914 (60) |
| US 2000-234998P | 20000925 (60) |
| US 2000-246477P | 20001108 (60) |
| US 2000-246528P | 20001108 (60) |
| US 2000-246525P | 20001108 (60) |
| US 2000-246476P | 20001108 (60) |
| US 2000-246526P | 20001108 (60) |
| US 2000-249209P | 20001117 (60) |
| US 2000-246527P | 20001108 (60) |
| US 2000-246523P | 20001108 (60) |
| US 2000-246524P | 20001108 (60) |
| US 2000-246478P | 20001108 (60) |
| US 2000-246609P | 20001108 (60) |
| US 2000-246613P | 20001108 (60) |
| US 2000-249300P | 20001117 (60) |
| US 2000-249265P | 20001117 (60) |
| US 2000-246610P | 20001108 (60) |
| US 2000-246611P | 20001108 (60) |
| US 2000-230437P | 20000906 (60) |
| US 2000-251990P | 20001208 (60) |
| US 2000-251988P | 20001205 (60) |
| US 2000-251030P | 20001205 (60) |
| US 2000-251479P | 20001206 (60) |
| US 2000-256719P | 20001205 (60) |
| US 2000-250160P | 20001201 (60) |
| US 2000-251989P | 20001208 (60) |
| US 2000-250391P | 20001201 (60) |
| US 2000-254097P | 20001211 (60) |
| US 2000-231968P | 20000912 (60) |
| US 2000-226279P | 20000818 (60) |
| US 2000-186350P | 20000302 (60) |
| US 2000-184664P | 20000224 (60) |
| US 2000-189874P | 20000316 (60) |
| US 2000-198123P | 20000418 (60) |
| US 2000-227009P | 20000823 (60) |
| US 2000-235484P | 20000926 (60) |
| US 2000-190076P | 20000317 (60) |
| US 2000-209467P | 20000607 (60) |
| US 2000-205515P | 20000519 (60) |
| US 2001-259678P | 20010105 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
LINE COUNT: 20034
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 21 OF 21 USPATFULL on STN

TI Nucleic acids, proteins, and antibodies

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:171924 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2002090673 | A1 | 20020711 |
| APPLICATION INFO.: | US 2001-764898 | A1 | 20010117 (9) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2000-179065P | 20000131 (60) |
| | US 2000-180628P | 20000204 (60) |
| | US 2000-214886P | 20000628 (60) |
| | US 2000-217487P | 20000711 (60) |
| | US 2000-225758P | 20000814 (60) |
| | US 2000-220963P | 20000726 (60) |
| | US 2000-217496P | 20000711 (60) |
| | US 2000-225447P | 20000814 (60) |
| | US 2000-218290P | 20000714 (60) |
| | US 2000-225757P | 20000814 (60) |
| | US 2000-226868P | 20000822 (60) |
| | US 2000-216647P | 20000707 (60) |
| | US 2000-225267P | 20000814 (60) |
| | US 2000-216880P | 20000707 (60) |
| | US 2000-225270P | 20000814 (60) |
| | US 2000-251869P | 20001208 (60) |
| | US 2000-235834P | 20000927 (60) |
| | US 2000-234274P | 20000921 (60) |
| | US 2000-234223P | 20000921 (60) |
| | US 2000-228924P | 20000830 (60) |
| | US 2000-224518P | 20000814 (60) |
| | US 2000-236369P | 20000929 (60) |
| | US 2000-224519P | 20000814 (60) |
| | US 2000-220964P | 20000726 (60) |

| | |
|-----------------|---------------|
| US 2000-241809P | 20001020 (60) |
| US 2000-249299P | 20001117 (60) |
| US 2000-236327P | 20000929 (60) |
| US 2000-241785P | 20001020 (60) |
| US 2000-244617P | 20001101 (60) |
| US 2000-225268P | 20000814 (60) |
| US 2000-236368P | 20000929 (60) |
| US 2000-251856P | 20001208 (60) |
| US 2000-251868P | 20001208 (60) |
| US 2000-229344P | 20000901 (60) |
| US 2000-234997P | 20000925 (60) |
| US 2000-229343P | 20000901 (60) |
| US 2000-229345P | 20000901 (60) |
| US 2000-229287P | 20000901 (60) |
| US 2000-229513P | 20000905 (60) |
| US 2000-231413P | 20000908 (60) |
| US 2000-229509P | 20000905 (60) |
| US 2000-236367P | 20000929 (60) |
| US 2000-237039P | 20001002 (60) |
| US 2000-237038P | 20001002 (60) |
| US 2000-236370P | 20000929 (60) |
| US 2000-236802P | 20001002 (60) |
| US 2000-237037P | 20001002 (60) |
| US 2000-237040P | 20001002 (60) |
| US 2000-240960P | 20001020 (60) |
| US 2000-239935P | 20001013 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
LINE COUNT: 25258
CAS INDEXING IS AVAILABLE FOR THIS PATENT.